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Brenda Andrews is a University Professor and Canada Research Chair in Systems Genetics & Cell Biology in the Donnelly Centre for Cellular and Biomolecular Research and the Department of Molecular Genetics at the University of Toronto. She has served as Chair of the Department of Medical Genetics (now Molecular Genetics, 1999-2004) and the Banting & Best Department of Medical Research (2004-2014) and was also the inaugural Director of the Donnelly Centre. She continued as Director of the Donnelly Centre and Charles H Best Chair of Medical Research until 2020. Dr. Andrews' current research interests include analysis of genetic interaction networks in budding yeast and mammalian cells, using high through-put genetics platforms that include high content microscopy for systematic analysis of cell biological phenotypes. Dr. Andrews is a Companion of the Order of Canada, an elected Fellow of the Royal Society of Canada, the American Association for the Advancement of Science and the American Academy of Microbiology, and an International Member of the National Academy of Sciences (USA).